

PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Fumio ABE et al.

Serial No. 08/857,585

Group Art Unit: 1764

Filed: May 16, 1997

Examiner: Nadine Georgianna Norton

For: HEATER AND CATALYTIC CONVERTER

TERMINAL DISCLAIMER

Commissioner for Patents
P. O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

Your petitioner, NGK INSULATORS, LTD., a corporation residing at 2-56, Suda-Cho, Mizuho-Ku, Nagoya City, Aichi Pref., JAPAN, represents that it is the sole assignee of the entire right, title and interest in U.S. Patent Application Serial No. 08/857,585, filed May 16, 1997, as evidenced by an assignment from the inventors of the above-identified patent application. That assignment document (copy attached) was recorded in the USPTO on November 9, 1995, at Reel 7688, Frames 0860 (the Assignment was recorded in grandparent application Serial No. 08/530,537, filed September 20, 1995, now abandoned). Your petitioner, NGK

INSULATORS, LTD., hereby disclaims the terminal part of any patent granted on the above-identified application, which would extend beyond the expiration date of petitioner's commonly owned U.S. Patent 5,164,350, sole ownership of which by petitioner, as evidenced by assignment recorded in the USPTO on November 9, 1995, at Reel 7688, Frame 0860, and hereby agrees that any patent so granted on the above-identified application shall be enforceable only for and during such period that the legal title to said patent shall be the same as the legal title to U.S. Patent 5,164,350, this agreement to run with any patent granted on the above-identified application and to be binding upon the grantee, its successors or assigns.

In making the above disclaimer, petitioner does not disclaim the terminal part of any patent granted on the above-identified application that would extend to the expiration date of the full statutory term as defined in 35 U.S.C. 154 to 156 and 173 of the prior patent, as presently shortened by any terminal disclaimer, in the event that it later: expires for failure to pay a maintenance fee, is held unenforceable, is found invalid by a court of competent jurisdiction, is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321, has all claims cancelled

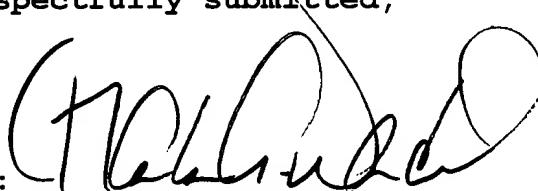
by a reexamination certificate, is reissued, or is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Respectfully submitted,

By:


Charles A. Wendel
Registration No. 24,453
Attorney of Record for Assignee

Wendel 24, 2007
Date

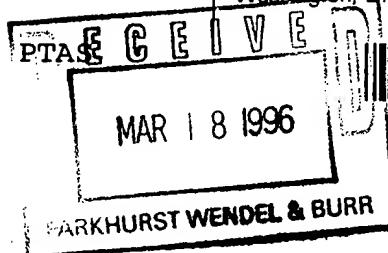


WATK:040C ✓
UNITED STATES DEPARTMENT OF COMMERCE

Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

MARCH 07, 1996

ROGER W. PARKHURST, ESQUIRE
PARKHURST, WENDEL & ROSSI
SUITE 210
1421 PRINCE STREET
ALEXANDRIA, VA 22314



100090351A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 11/09/1995

REEL/FRAME: 7688/0860

NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNEE'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNEE:

ABE, FUMIO

DOC DATE: 10/18/1995

ASSIGNEE:

NODA, KEIJI

DOC DATE: 10/18/1995

ASSIGNEE:

NGK INSULATORS, LTD.
2-56, SUDA-CHO, MIZUHO-KU
NAGOYA CITY, AICHI PREF., JAPAN

SERIAL NUMBER: 08530537

FILING DATE: 09/20/1995

PATENT NUMBER:

ISSUE DATE:

JERYL McDOWELL, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

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11-15-1995



100090351

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Fumio ABE et al.

Serial No.: 08/530,537

Group Art Unit: 1106

Filed: September 20, 1995

For: HEATER AND CATALYTIC CONVERTER

ASSIGNMENT TRANSMITTAL LETTER

Honorable Commissioner of
Patents and Trademarks
Washington, D.C. 20231

Sir:

Please record the attached Assignment in the name of the assignor and the assignee as indicated below and return the original document to the undersigned.

1. Name of Conveying Party(ies):

Fumio ABE and Keiji NODA

2. Name and Address of Receiving Party(ies):

NGK Insulators, Ltd.
2-56, Suda-Cho, Mizuho-Ku
Nagoya City, Aichi Pref., Japan

3. Execution Date of Assignment: October 18, 1995

4. If this Assignment is being filed together with a new application, the execution date of the application is: _____

PLEASE ACCEPT THIS AS
AUTHORIZATION TO DEBIT
OR CREDIT FEES TO
DEP. ACCT. 16-0331

5. Total number of applications and patents involved: 1

All correspondence should be addressed to:

Roger W. Parkhurst, Esquire
PARKHURST, WENDEL & ROSSI
Suite 210
1421 Prince Street
Alexandria, VA 22314.

The Assignment recordation fee (\$40.00) is covered by our attached Check Number 18109.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Total number of pages including cover sheet, attachments and document 4

If there should be any questions concerning the amount of the fee or should our check become detached, please debit or credit our Deposit Account Number 16-0331 as needed in order to effect proper filing of the attached document.

Respectfully submitted,

PARKHURST, WENDEL & ROSSI

Date

11/6/85

Attorney Docket No. WATK:040C

PARKHURST, WENDEL & ROSSI
1421 Prince Street, Suite 210
Alexandria, Virginia 22314
Telephone: (703) 739-0220


Roger W. Parkhurst
Registration No. 25,177
Jeffrey S. Abel
Registration No. 36,079

ASSIGNMENT

(1-8) Insert Name(s) of Inventor(s)

(1) <u>Fumio ABE</u>	(5) _____
(2) <u>Keiji NODA</u>	(6) _____
(3) _____	(7) _____
(4) _____	(8) _____

In consideration of the sum of dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(9) Insert name of Assignee NGK INSULATORS, LTD.
(10) Insert address of Assignee 2-56, Suda-Cho, Mizuho-Ku, Nagoya City, Aichi Pref., Japan

(hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention, and all applications for patent and any Letters Patent which may be granted therefor, known as

(11) Insert Identification of Invention, such as Title, Case Number or Foreign Application Number
HEATER AND CATALYTIC CONVERTER

(Case No. WATK:040C)

for which the undersigned has (have) executed an application for patent in the United States of America

(12) Insert Date of Signing of Application July 1, 1993
(13) Alternative identification for filed applications U.S. application Serial Number _____
filed _____

1) The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

6) The undersigned hereby grant(s) the firm of PARKHURST, WENDEL & ROSSI the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date Oct. 18, 1995 Name of Inventor Fumio Abe (SEAL)
Date Oct. 18, 1995 Name of Inventor Keiji Noda (SEAL)
Date _____ Name of Inventor _____ (SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. or (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date Oct 18, 1995 Witness Yoshi Fukuda
Date Oct. 18, 1995 Witness Yuzo Matsuo